

WHAT IS CLAIMED IS:

1. A syringe for power medicament premixing, characterized in that: said syringe comprises a plunger (1), a sleeve (5), a solvent bottle (8), a connecting tube (14), a solute bottle (10) and a syringe needle (16) with two piercing ends, in which the plunger (1) is provided on the upper portion of the sleeve (5) and the solvent bottle (8), both the solvent bottle (8) provided above the solute bottle (10) and the solute bottle (10) are packaged in the sleeve (5), the syringe needle (16) having two piercing ends, is connected to the bottom portion of the solute bottle (10), the connecting tube (14), with two piercing ends, is provided between the solvent bottle (8) and the solute bottle (10), one piercing end of the connecting tube (14) is fixed to a bracket (13) plugged into a bottom opening of the solvent bottle (8), at least two protrusions (25) are formed on the inner side of the bracket (13), which are in contact with the bottom opening of the solvent bottle (8), the bottom opening of the solvent bottle (8) is provided with a sealing plug (12) made of surgical rubber or innoxious rubber, a guiding recess (26) is provided at the central portion of the sealing plug (12), the bottom opening of the solute bottle (10) is provided with a sealing plug (15) made of surgical rubber or innoxious rubber, a guiding recess (29) is provided at the central portion of the sealing plug (15), a piston (9) is provided inside the solute bottle (10), one piercing end of the syringe needle (16) with two piercing ends is fixed to a bracket (11) plugged into the bottom opening of the solute bottle (10), at least two protrusions (28) are formed on the inner side of the bracket (11), the protrusions (28) are in contact with the bottom opening of the solute bottle (10), the sealing plug (15), bracket (11) and the syringe needle (16) with two piercing ends are covered with a protecting jacket (7), the protrusions (25) and (28) can be in any form of a nipple, a fin, a hook or a protruding ring, etc.
2. The syringe according to claim 1, characterized in that: the inside of said solvent bottle (8) is applied with pressure, said solvent bottle (8) is provided inside an inner sleeve (19), which is plugged into the solute bottle (10), both the solute bottle (10) and the inner sleeve (19) are provided inside the sleeve (5), the lower end face of the inner sleeve (19) formed with a hole (27) is in contact with a piston (9).

3. The syringe according to claim 1, characterized in that: the inside of said solvent bottle (8) is of normal pressure, a piston (17) is provided on the upper end of the solvent bottle (8) and under the plunger (1), wherein the solvent bottle (8) is inserted into the solute bottle (10), or the solute bottle (10) is inserted into the solvent bottle (8), or the outer diameters of the
5 solvent bottle (8) and the solute bottle (10) are identical and a pushing sleeve (30) is provided on the upper edge of the piston (9) inside the solute bottle (10).

4. The syringe according to claim 1 or 2, characterized in that: said sleeve (5) is provided with restricting slots (4), the restricting slots (4) comprise a first restricting slot (21) and a second restricting slot (23), which are upside-down “L”-shaped and communicate with each other, a
10 plunger sleeve (2) integrated with the plunger (1) is provided with buckles (3) vertical to the plunger sleeve (2), the buckles (3) are fitted into the first restricting slot (21) or the second restricting slot (23), two tongues (24) are arranged on the two sides of the lower edge of the plunger sleeve (2) and symmetrical to the axis thereof, two slots (22) corresponding to the positions of the tongues (24) are arranged on the two sides of the upper edge of the inner
15 sleeve (19) and symmetrical to the axis thereof, the cross-section of the sleeve (5) is of round shape, square shape, rectangular shape, ellipse shape, triangle shape, pentagon shape, or hexagon shape but with inner round shape, etc.

5. The syringe according to claim 4, characterized in that: said sleeve (5) is provided with two
20 restricting slots (4) arranged at the two sides of the sleeve (5) and symmetrical to the axis of the sleeve (5), the restricting slots (4) comprise a first restricting slot (21) and a second restricting slot (23) which are upside-down “L”-shaped and communicated with each other, two buckles (3) symmetrical to the axis of the plunger sleeve (20) and vertical to the end face of the plunger sleeve (2) are arranged on the plunger sleeve (2) integrated with the plunger (1)
25 and are inserted into the first restricting slot (21) or the second restricting slot (23) respectively.

6. The syringe according to claim 1 or 3, characterized in that: said sleeve (5) is provided with restricting slots (4), which comprise two “L”-shaped sections communicated to each other, the
30 plunger sleeve (2) integrated with the plunger (1) is provided with buckles (3), which are inserted into the shorter portion on the upper end of the restricting slots (4), a viewing port (6)

is longitudinally arranged on the sleeve (5), the cross-section of the sleeve (5) is of round shape, square shape, rectangular shape, ellipse shape, triangle shape, pentagon shape, or hexagon shape but with inner round shape, etc.

5 7. The syringe according to claim 1 or 3, characterized in that: said restricting slots (4) are embedded in the inner wall of the sleeve (5), the restricting slots (4) comprise two “L”-shaped sections communicating with each other, the cross-section of the sleeve (5) is of round shape, square shape, rectangular shape, ellipse shape, triangle shape, pentagon shape, or hexagon shape but with inner round shape, etc.

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8. The syringe according to claim 6, characterized in that: said sleeve (5) is provided with two restricting slots (4) arranged on the two sides of the sleeve (5) and symmetrical to the axis of the sleeve (5), the restricting slots (4) comprise two “L”-shaped sections communicating with each other, two buckles (3) are symmetrically arranged on the plunger sleeve (2) which is
15 integrated with the plunger (1), said two buckles (3) are inserted into the shorter portion of the upper end of the two restricting slots (4) respectively, the sleeve (5) is provided with two viewing ports (6) arranged symmetrically to the axis of the sleeve (5) in a longitudinal direction.

20 9. The syringe according to claim 7, characterized in that: said sleeve (5) is provided with two restricting slots (4) embedded in the two inner sides of the sleeve (5) and symmetrical to the axis of the sleeve (5), the restricting slots (4) comprise two “L”-shaped sections communicating with each other, two buckles (3) are symmetrically arranged on the plunger sleeve (2) which is integrated with the plunger (1), said two buckles (3) are inserted into the
25 shorter portion of the upper end of the two restricting slots (4) respectively, the sleeve (5) is provided with two viewing ports (6) arranged symmetrically to the axis of the sleeve (5) in longitudinal direction.

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